

Listing of Claims:

Applicants request that the U.S. Patent and Trademark Office enter the following amendments to the claims, enter the following new claims 28-52, and consider the following remarks. Reconsideration and allowance of all presently pending claims is respectfully requested.

No Admission. The listed claims are labeled pursuant to the request of the Patent Office for convenience in examination. Reference to a claim as “Currently Amended” is not an admission that the claim was altered for any reason related to patentability. No claim has been amended for any reason related to patentability.

_____ This Listing of Claims will replace all prior versions, and listings, of claims in this _____ application.

1. (Currently Amended): A method for constructing a database driven website, said website comprising a plurality of web pages, the method comprising steps of:

(a) storing at least one ~~each~~ web page as a database record having fields that reference a layout template and content;

(b) storing the layout template and the content as database records separate from the web page database record; and

(c) displaying each web page stored as a database record by using the fields in the corresponding web page database record to access the layout template and content database records for display.

2. (Currently Amended): The method of claim 1 further ~~including~~ comprising the step of: allowing ~~the~~ a user to specify a page-type for each web page stored as a database record from among a plurality of page types.

3. (Currently Amended): The method of claim 2 further ~~including~~ comprising the step of: storing the specified page type as a field in the corresponding database record for the web page type.

4. (Currently Amended): The method of claim 3 further ~~including~~ comprising the step of: providing an application object for each respective page type for processing web pages corresponding to the page-types when invoked.

5. (Currently Amended): The method of claim 4 further ~~including~~ comprising the step of: when displaying the web page, accessing the page type field in the corresponding web page database record and invoking the corresponding application object to display the web page.

6. (Currently Amended): The method of claim 5 ~~further including the step of:~~ comprising wherein the page-types as comprise application page-types and content page-types.

7. (Currently Amended): The method of claim 1 further ~~including~~ comprising the step of: defining, in each layout template, ~~template~~ locations for one or more navigational link areas that display navigational links for navigating the website.

8. (Currently Amended): The method of claim 7 further ~~including~~ comprising the step of: storing ~~each~~ said at least one web page as a database record in response to a user specifying parameters for ~~the~~ said at least one web page, wherein the parameters specify a title for the web page, a layout template to apply to the web page, and a link location that defines where a link for the current web page ~~should~~ will be displayed, wherein the parameters are stored as fields in the web page database record.

9. (Currently Amended): The method of claim 8 further comprising the step of: defining, in each ~~by the~~ link location field, whether the link for a the corresponding web page will appear in the navigational areas displayed on every page, or that the ~~current~~ corresponding

web page is a sub-page of a parent web page, in which case the link for the ~~current~~ corresponding web page may appear only when the parent web page is displayed.

10. (Currently Amended): A method for constructing a database-driven website, said website comprising a plurality of web pages, the method comprising the steps of:

(a) providing a plurality of application objects corresponding to a plurality of page-types for processing web pages corresponding to the page-types when invoked;

(b) allowing ~~the a~~ user to create one or more web pages for the website by specifying parameters for said one or more ~~each of the~~ web pages, wherein the parameters include the page-type of the web page, and content to be displayed in the web page;

(c) storing ~~each~~ said one or more web ~~page~~ pages as a database ~~record~~ record(s) and storing the corresponding parameters as fields in the ~~record~~ web page database record(s); and

(d) displaying one of ~~the~~ said one or more web pages on a ~~client~~ computer by invoking the application object ~~indicated in~~ corresponding to the page type ~~fields~~ field in ~~each of~~ the corresponding web page ~~records~~ database record to present the corresponding content to the client computer.

11. (Currently Amended): The method of claim 10 further comprising the step of: providing a plurality of layout templates defining locations of navigational areas that display navigational links on web pages, wherein each web page database record includes a field that references a layout template for that web page ~~wherein step (a) further includes the step of:~~

(i) ~~providing a plurality of layout templates defining locations of navigational areas that display navigational links on web pages.~~

12. (Currently Amended): The method of claim 11 further comprising the step of:
allowing the user to specify a link location for said one or more web pages, the link location
stored as a field in the corresponding web page database record and defining a navigational area
within the corresponding layout template where a link to the web page will be displayed wherein
step (b) further includes the step of:

(i) ~~allowing the user to select one of the layout templates, and to~~
~~specify a link location.~~

13. (Currently Amended): The method of claim 12 ~~wherein step (d) further includes~~
comprising the step of: accessing the specified layout template for a web page being displayed to
display links to other web pages on the web page being displayed.

14. (Currently Amended): The method of claim 13 further ~~including~~ comprising the
step of: defining, in each by the link location location, whether the link for a the corresponding
web page will appear in the navigational ~~areas~~ area displayed on every page, or that the ~~current~~
corresponding web page is a sub-page of a parent web page, in which case the link ~~in~~ for the
~~current~~ corresponding web page ~~may~~ will only appear when the parent web page is displayed.

15. (Currently Amended): The method of claim 10 further ~~including~~ comprising the
step of: allowing the user to specify content for said one or more web pages both during and after
specifying the parameters for ~~each~~ said one or more web page pages.

16. (Currently Amended): The method of claim 10 further ~~including~~ comprising the
step of: providing a software tool for allowing the user to construct the website.

17. (Currently Amended): The method of claim 16 further ~~including~~ comprising the
step of: implementing the software ~~tools~~ tool as a web application running on a server that allows
the user to construct the website using a web browser.

18. (Currently Amended): A method for providing database-driven web pages, the method of comprising the steps of:

(a) providing a plurality of layout templates defining locations of navigational areas that display navigational links on web pages;

(b) providing a plurality of page types defining ~~the type~~ different types of web page pages, wherein each page type ~~indicates~~ corresponds to an application object for processing ~~the a~~ web page of that particular page type;

(c) allowing a user to define an organizational hierarchy for ~~the a~~ website by specifying parameters for each of the web pages, wherein the parameters include ~~one of the~~ layout ~~templates~~ template for the web page, a title for the web page, ~~one of the page types~~ type for the web page, and a link location that defines a navigational area with the corresponding layout template where a link to the web page will be displayed;

(d) storing ~~with each of the web page pages~~ as a database ~~record~~ record(s) that includes fields for storing the specified parameters; and

(e) displaying each web page by accessing the database record for the corresponding web page, and invoking the application object corresponding to the specified page type in the corresponding web page database record to ~~render~~ display the corresponding web page according to the specified layout template.

19. (Currently Amended): The method of claim 18 further ~~including~~ comprising the step of: defining, in each ~~by the~~ link location field, whether the link for a the corresponding web page will appear in the navigational areas displayed on every page, or that the ~~current~~ corresponding web page is a sub-page of a parent web page, in which case the link for the ~~current~~ corresponding web page ~~may~~ will only appear when the parent web page is displayed.

20. (Currently Amended): The method of claim 19 further ~~including~~ comprising the ~~step~~ steps of: allowing the user to specify content for each of the web pages, and storing the content as a database record, wherein each web page database record includes a field referencing a content database record for the corresponding web page.

21. (Currently Amended): The method of claim 20 further ~~including~~ comprising the step of: allowing the user to specify content both during and after specifying the organizational hierarchy for the website.

22. (Currently Amended): The method of claim 21 further ~~including~~ comprising the step of: providing a software tool for allowing the user to construct the website.

23. (Currently Amended): The method of claim 22 further ~~including~~ comprising the step of: providing the software tool as a web page application running on a server that allows the user to construct the website using a web browser.

24. (Currently Amended): A method for constructing a website that includes a plurality of web ~~pages~~ pages, wherein one or more top-level web pages, including a homepage, display a set of navigational links for accessing other web pages, the method comprising the steps of:

(a) ~~in response to a user requesting to create a website, selecting~~ allowing a user to select a layout template that defines the homepage and navigational areas on ~~the~~ said one or more top-level web pages for displaying the navigational links; and

(b) defining ~~the~~ said one or more top-level web pages by

(i) allowing the user to specify parameters for each ~~of the~~ top-level web ~~pages~~ page(s);

(ii) allowing the user to specify a link location, as a parameter, for each ~~of the~~ top-level web pages page(s), wherein the link location defines either which navigational area a link to the corresponding top-level web page will be displayed, or that the corresponding top-level web page is a sub-page of ~~apparent~~ a parent top-level web page, such that the link for the corresponding top-level web page will appear only when the parent top-level web page is displayed ~~parent top-level web page will display a navigational link to the sub-page~~; and

(iii) storing each ~~of the~~ top-level web pages page(s) as a database record and storing the corresponding parameters as fields in the top-level web page database record.

25. (Currently Amended): The method of claim 24 wherein the parameters comprise ~~step further includes the step of: allowing the user to specify a page type and content for each of the top-level web pages~~ page(s).

26. (Currently Amended): The method of claim 25 ~~wherein step further includes~~ comprising the step of: storing a plurality of page types as database records for user selection, and storing the content for each ~~of the~~ top-level web pages page(s) as database records, wherein the top-level web page, page type and content database records are stored as separate database records.

27. (Currently Amended): The method of claim 26 further ~~including~~ comprising the step of: providing ~~a plurality of an application objects~~ object for each respective ~~corresponding to each~~ page type for processing the page-types when invoked.

28. (New): A computer program product including a program code embodied in a storage medium for carrying out the method steps for creating a database-driven website, said website comprising a plurality of web pages, said method steps comprising:

(a) storing at least one web page as a database record having fields that reference a layout template and content;

(b) storing the layout template and the content as database records separate from the web page database record; and

(c) displaying each web page stored as a database record by using the fields in the corresponding web page database record to access the layout template and content database records for display.

29. (New): The computer program product of claim 28 wherein said method further comprises allowing a user to specify a page-type for each web page stored as a database record from among a plurality of page types.

30. (New): The computer program product of claim 29 wherein said method further comprises storing the specified page type as a field in the corresponding database record for the web page.

31. (New): The computer program product of claim 30 wherein said method further comprises providing an application object for each respective page type for processing web pages corresponding to the page-types when invoked.

32. (New): The computer program product of claim 31 wherein said method further comprises when displaying the web page, accessing the page type field in the corresponding web page database record and invoking the corresponding application object to display the web page.

33. (New): The computer program product of claim 32 wherein the page-types comprise application page-types and content page-types.

34. (New): The computer program product of claim 28 wherein said method further comprises defining, in each layout template, locations for one or more navigational link areas that display navigational links for navigating the website.

35. (New): The computer program product of claim 34 wherein said method further comprises storing said at least one web page as a database record in response to a user specifying parameters for said at least one web page, wherein the parameters specify a title for the web page, a layout template to apply to the web page, and a link location that defines where a link for the current web page will be displayed, wherein the parameters are stored as fields in the web page database record.

36. (New): The computer program product of claim 35 wherein said method further comprises defining, in each link location field, whether the link for the corresponding web page will appear in the navigational areas displayed on every page, or that the corresponding web page is a sub-page of a parent web page, in which case the link for the corresponding web page may appear only when the parent web page is displayed.

37. (New): A computer program product including a program code embodied in a storage medium for carrying out the method steps for creating a database-driven website, said website comprising a plurality of web pages, said method steps comprising:

(a) providing a plurality of application objects corresponding to a plurality of page-types for processing web pages corresponding to the page-types when invoked;

(b) allowing a user to create one or more web pages for the website by specifying parameters for said one or more web pages, wherein the parameters include the page-type of the web page, and content to be displayed in the web page;

(c) storing said one or more web pages as a database record(s) and storing the corresponding parameters as fields in the web page database record(s); and

(d) displaying one of said one or more web pages on a computer by invoking the application object corresponding to the page type field in the corresponding web page database record to present the corresponding content to the client computer.

38. (New): The computer program product of claim 37 wherein said method further comprises providing a plurality of layout templates defining locations of navigational areas that display navigational links on web pages, wherein each web page database record includes a field that references a layout template for that web page.

39. (New): The computer program product of claim 38 wherein said method further comprises allowing the user to specify a link location for said one or more web pages, the link location stored as a field in the corresponding web page database record and defining a navigational area within the corresponding layout template where a link to the web page will be displayed.

40. (New): The computer program product of claim 39 wherein said method further comprises accessing the specified layout template for a web page being displayed to display links to other web pages on the web page being displayed.

41. (New): The computer program product of claim 40 wherein said method further comprises defining, in each link location, whether the link for the corresponding web page will appear in the navigational area displayed on every page, or that the corresponding web page is a sub-page of a parent web page, in which case the link for the corresponding web page will only appear when the parent web page is displayed.

42. (New): The computer program product of claim 37 wherein said method further comprises allowing the user to specify content for said one or more web pages both during and after specifying the parameters for said one or more web pages.

43. (New): The computer program product of claim 37 wherein said method further comprises implementing the computer program product as a web application running on a server that allows the user to construct the website using a web browser.

44. (New): A computer program product including a program code embodied in a storage medium for carrying out the method steps for creating database-driven web pages, said method steps comprising:

- (a) providing a plurality of layout templates defining locations of navigational areas that display navigational links on web pages;
- (b) providing a plurality of page types defining different types of web pages, wherein each page type corresponds to an application object for processing a web page of that particular page type;
- (c) allowing a user to define an organizational hierarchy for a website by specifying parameters for each of the web pages, wherein the parameters include the layout template for the web page, a title for the web page, the page-type for the web page, and a link location that defines a navigational area with the corresponding layout template where a link to the web page will be displayed;
- (d) storing each of the web pages as a database record(s) that includes fields for storing the specified parameters; and
- (e) displaying each web page by accessing the database record for the corresponding web page, and invoking the application object corresponding to the specified page type in the

corresponding web page database record to display the corresponding web page according to the specified layout template.

45. (New): The computer program product of claim 44 wherein said method further comprises defining, in each link location field, whether the link for the corresponding web page will appear in the navigational areas displayed on every page, or that the corresponding web page is a sub-page of a parent web page, in which case the link for the corresponding web page will only appear when the parent web page is displayed.

46. (New): The computer program product of claim 45 said method further comprises allowing the user to specify content for each of the web pages, and storing the content as a database record, wherein each web page database record includes a field referencing a content database record for the corresponding web page.

47. (New): The computer program product of claim 46 wherein said method further comprises allowing the user to specify content both during and after specifying the organizational hierarchy for the website.

48. (New): The computer program product of claim 44 wherein said method further comprises providing the computer program product as a web page application running on a server that allows the user to construct the website using a web browser.

49. (New): A computer program product including a program code embodied in a storage medium for carrying out the method steps for creating a database-driven website that includes a plurality of web pages, wherein one or more top-level web pages, including a homepage, display a set of navigational links for accessing other web pages, said method steps comprising:

(a) allowing a user to select a layout template that defines the homepage and navigational areas on said one or more top-level web pages for displaying the navigational links; and

(b) defining the said one or more top-level web pages by

(i) allowing the user to specify parameters for each top-level web page(s);

(ii) allowing the user to specify a link location, as a parameter, for each top-level web page(s), wherein the link location defines either which navigational area a link to the corresponding top-level web page will be displayed, or that the corresponding top-level web page is a sub-page of a parent top-level web page, such that the link for the corresponding top-level web page will appear only when the parent top-level web page is displayed; and

(iii) storing each top-level web page(s) as a database record and storing the corresponding parameters as fields in the top-level web page database record.

50. (New): The computer program product of claim 49 wherein the parameters comprise a page type and content for each top-level web page(s).

51. (New): The computer program product of claim 50 wherein said method further comprises storing a plurality of page types as database records for user selection, and storing the content for each top-level web page(s) as database records, wherein the top-level web page, page type and content database records are stored as separate database records.

52. (New): The computer program product of claim 51 wherein said method further comprises providing an application object for each respective page type for processing the page-types when invoked.